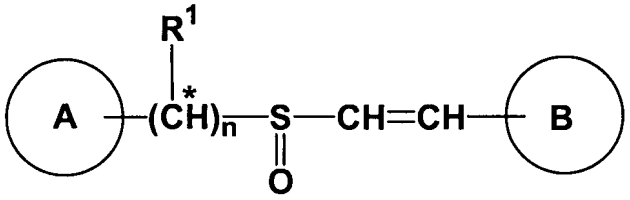
Amendments to the Claims

The following listing of claims replaces all prior listings of claims in the application.

Listing of Claims

1. (currently amended) A compound according to Formula I:



I

wherein,

A is substituted or unsubstituted aryl, or substituted or unsubstituted heteroaryl;

B is substituted ~~or unsubstituted~~ aryl or substituted or unsubstituted heteroaryl~~, provided that when A and B are both phenyl, at least one of A or B is substituted~~;

n is 0 or 1;

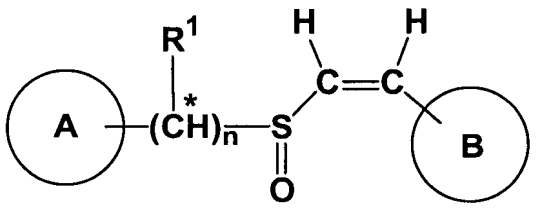
R^1 is –H, -(C_1-C_8)hydrocarbyl, -CN, -CO_2(C_1-C_6)alkyl or halo(C_1-C_6)alkyl;

the configuration ~~conformation~~ of the substituents on the carbon-carbon double bond is either *E*- or *Z*-;

the configuration ~~conformation~~ of the substituents on the sulfoxide sulfur atom is R-, S- or any mixture of R- and S-;

* indicates that, when R^1 is other than –H, the configuration ~~conformation~~ of the substituents on the designated carbon atom is R-, S- or any mixture of R- and S-; or a salt of such a compound.

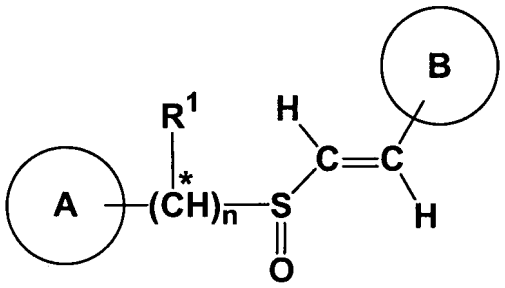
2. (currently amended) A compound according to claim 1 of Formula Iz:



Iz

or a salt thereof.

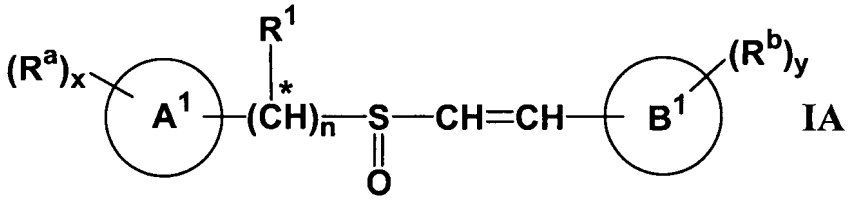
3. (currently amended) A compound according to claim 1 of the Formula Ie:



Ie

or a salt thereof.

4. (currently amended) A compound according to claim 1 of Formula IA:



IA

wherein:

A^1 is ~~and B^1 are independently~~ aryl or heteroaryl; and x is ~~and y are independently~~ 0, 1, 2, 3, 4 or 5,

either B^1 is aryl and y is 1, 2, 3, 4 or 5, or B^1 is heteroaryl and y is 0, 1, 2, 3, 4 or 5;

provided that ~~the highest value of~~ x ~~or y is equal to~~ does not exceed the number of substitutable positions of ~~hydrogen atoms in~~ the ring to which each R^a ~~x or y~~ is attached; and y does not exceed number of substitutable positions of the ring to which each R^b is attached;

~~and when A^1 and B^1 are both phenyl, the sum of x and y is greater than zero;~~

each R^a is independently selected from the group consisting of halogen; $-(C_1$-$C_8)$hydrocarbyl, $-C(=O)R^2$, $-NR^2_2$, $-NHC(=O)R^3$, $-NHSO_2R^3$, $-NHR^4$, $-NHCR^2R^4C(=O)R^6$, $-C(=O)OR^2$, $-C(=O)NHR^2$; $-NO_2$, -CN, $-OR^2$, $-P(=O)(OH)_2$, dimethylamino(C_2-C_6 alkoxy), $-NHC(=NH)NHR^2$, $-(C_1$-$C_6)$haloalkyl, $-(C_1$-$C_6)$haloalkoxy and $-N=CH-R^7$;

each R^b is independently selected from the group consisting of –(C_1-C_8)hydrocarbyl, –C(=O)R^2, halogen, -NO_2, -CN, -OR^2, -C(=O)OR^2, -NR^2_2, (C_1-C_6)haloalkyl and (C_1-C_6)haloalkoxy;

each R^2 is independently selected from the group consisting of –H and –(C_1-C_8)hydrocarbyl;

each R^3 is independently selected from the group consisting of –H, –(C_1-C_8)hydrocarbyl, –O(C_1-C_8)hydrocarbyl, substituted and unsubstituted aryl, substituted heterocyclyl(C_1-C_3)alkyl, heteroaryl(C_1-C_3)alkyl, –(C_2-C_{10})heteroalkyl, –(C_1-C_6)haloalkyl, -$CR^2R^4NHR^5$, –$N(R^2)_2$, –(C_1-C_3)alkyleneNH$_2$, –(C_1-C_3)alkylene-N(CH_3)$_2$, –(C_1-C_3)perfluoroalkylene-N(CH_3)$_2$, –(C_1-C_3)alkylene-N^+((C_1-C_3)alkyl)$_3$, –(C_1-C_3)alkylene-N^+(CH_2CH_2OH)$_3$, –(C_1-C_3)alkylene-OR^2, –(C_1-C_4)alkylene-CO_2R^2, -(C_1-C_4)alkylene-C(=O)halogen, halo(C_1-C_3)alkyl-, -(C_1-C_3)alkylene-C(=O)(C_1-C_3)alkyl, and –(C_1-C_4)perfluoroalkylene-CO_2R^2;

each R^4 is independently selected from the group consisting of –H, –(C_1-C_6)alkyl, -$(CH_2)_3$-NH-C(NH_2)(=NH), –CH_2C(=O)NH_2, –CH_2COOH, –CH_2SH, -$(CH_2)_2$C(=O)-NH_2, –$(CH_2)_2$COOH, –CH_2-(2-imidazolyl), –$(CH_2)_4$-NH_2, –$(CH_2)_2$-S-CH_3, phenyl, –CH_2-phenyl, –CH_2-OH, -CH(OH)-CH_3, –CH_2-(3-indolyl), and –CH_2-(4-hydroxyphenyl);

each R^5 is independently selected from the group consisting of –H and a carboxy terminally linked peptidyl residue containing from 1 to 3 amino acids in which the terminal amino group of the peptidyl residue is present as a functional group selected from the group consisting of -NH_2 and –NHC(=O)(C_1-C_6)alkyl, -NH(C_1-C_6)alkyl, -N(C_1-C_6 alkyl)$_2$ and –NHC(=O)O(C_1-C_7)hydrocarbyl;

each R^6 is independently selected from the group consisting of –OR^2 and an *N*-terminally linked peptidyl residue containing from 1 to 3 amino acids in which the terminal carboxyl group of the peptidyl residue is present as a functional group selected from the group consisting of –CO_2R^2 and –C(=O)NR^2_2; and

each R^7 is independently selected from the group consisting of substituted and unsubstituted aryl and substituted and unsubstituted heteroaryl

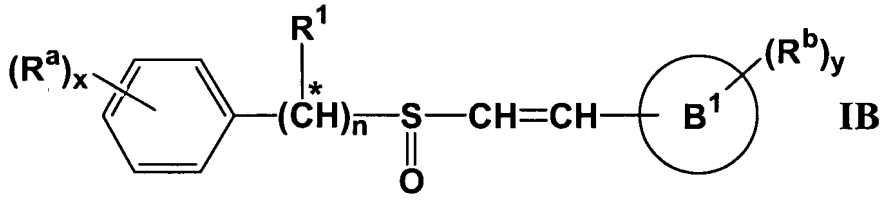
or a salt of such a compound.

5. (currently amended) A compound according to claim 4, or a salt thereof, wherein the sum of x and y is greater than zero.

6. (currently amended) A compound according to claim 5, or a salt thereof, wherein A^1 is an aryl radical.

7. (currently amended) A compound according to claim 6 selected from the group consisting of: (1E)-2-(4-fluorophenyl)-1-[(naphthylmethyl)sulfinyl]ethene; (1E)-2-(4-chlorophenyl)-1-[(naphthylmethyl)sulfinyl]ethene; (1E)-2-(4-bromophenyl)-1-[(naphthylmethyl)sulfinyl]ethene; (1E)-2-(2-nitrophenyl)-1-[(naphthylmethyl)sulfinyl]-ethene; (1E)-2-(3-nitrophenyl)-1-[(naphthylmethyl)sulfinyl]ethene; (1E)-2-(4-nitrophenyl)-1-[(naphthylmethyl)sulfinyl]ethene~~; and salts thereof~~.

8. (currently amended) A compound according to claim 6, of Formula IB:

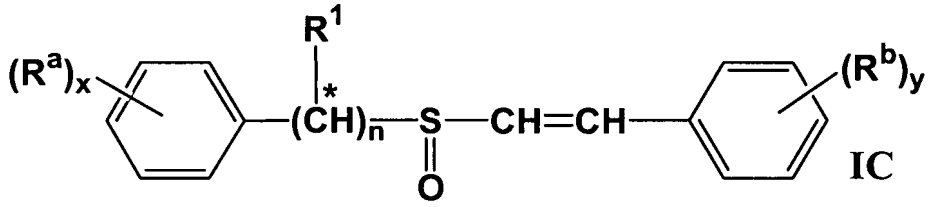


IB

or a salt thereof.

9. (currently amended) A compound according to claim 8, or a salt thereof, wherein each R^a is independently selected from the group consisting of halogen, (C_1-C_6)alkyl, (C_1-C_6)alkoxy, -NO_2, -CN, -C(=O)OR^2, -OH, -NH_2, (C_1-C_6)trifluoroalkoxy and –CF_3.

10. (currently amended) A compound according to claim 9, of Formula IC:



IC

or a salt thereof.

11. (currently amended) A compound according to claim 10 wherein each R^a and each R^b is ~~are~~ independently selected from the group consisting of halogen, (C_1-C_6)alkyl, (C_1-C_6)alkoxy, -NO_2, -CN and –CF_3.

12. (currently amended) A compound according to claim 10, or a salt thereof, wherein the configuration ~~conformation~~ of the substituents on the carbon-carbon double bond is *E*-.

13. (currently amended) A compound according to claim 12, or a salt thereof, wherein x is ~~and y are independently~~ 0, 1 or 2 and y is 1 or 2.

14. (original) A compound according to claim 12 selected from the group consisting of: (1E)-1-{[(3-amino-4-methoxyphenyl)methyl]sulfinyl}-2-(2,4,6-trimethoxyphenyl)ethane; (1E)-1-{[(3-hydroxy-4-methoxyphenyl)methyl]sulfinyl}-2-(2,4,6-trimethoxyphenyl)-ethane; (1E)-1-{[(4-methoxy-3-nitrophenyl)methyl]sulfinyl}-2-(2,4,6-trimethoxyphenyl)ethane; 2-({[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]amino}sulfonyl)acetic acid; 2-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]carbamoyl}acetic acid; [5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]amino-carboxamidine; 2-{[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]amino}acetic acid; *N*-[5-({[(1E)-2-(2,4,6-trimethoxy-phenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl](3,5-dinitrophenyl)carboxamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl](3,5-diaminophenyl)carboxamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]-sulfinyl}methyl)-2-methoxyphenyl]-2-chloroacetamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-(4-methylpiperazinyl)-acetamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]benzamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl](4-nitrophenyl)carboxamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl](4-aminophenyl)carboxamide; (1E)-1-[({3-[(1Z)-1-aza-2-(4-nitrophenyl)vinyl]-4-methoxyphenyl}methyl)sulfinyl]-2-(2,4,6-trimethoxyphenyl)ethene; *N*-[5-({[(1E)-2-

(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl](2R)-2,6-diamino-hexanamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl](2R)-2-amino-3-hydroxypropanamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)-vinyl]sulfinyl}methyl)-2-methoxyphenyl](2S)-2-amino-3-hydroxypropanamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]amino-amide; (1E)-1-({[4-methoxy-3-(methylamino)phenyl]methyl}sulfinyl)-2-(2,4,6-trimethoxyphenyl)ethene; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]acetamide; [5-({[(1E)-2-(2,4,6-trimethoxy-phenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl][(2,4-dinitrophenyl)sulfonyl]amine; [5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl][(2,4-diaminophenyl)sulfonyl]amine; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-(dimethylamino)-acetamide; 2-{[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxy-phenyl]amino}propanoic acid; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl][4-(4-methylpiperazinyl)phenyl]carboxamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-hydroxyacetamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-pyridylacetamide; {*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]carbamoyl}methyl acetate; *N*-[5-({[(1E)-2-(2,4,6-trimethoxy-phenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-hydroxypropanamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-(triethylamino)acetamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]-2-[tris(2-hydroxyethyl)amino]acetamide; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-hydroxy-2-methylpropanamide; 1-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]carbamoyl}-isopropyl acetate; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2,2,2-trifluoroacetamide; [5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl][(trifluoro-methyl)sulfonyl]amine; 3-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]-

sulfinyl}methyl)-2-methoxyphenyl]carbamoyl}propanoic acid; 3-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]carbamoyl}propanoyl chloride; 3-[({*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]carbamoyl}methyl)oxycarbonyl]propanoic acid; 4-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]carbamoyl}butanoic acid; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-(phosphonooxy)acetamide, disodium salt; 4-{[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]amino}butanoic acid; 3-{[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]amino}propanoic acid; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]methoxycarboxamide; [5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl][(4-methoxyphenyl)sulfonyl]amine; {*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]carbamoyl}ethyl acetate; methyl-3-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]-sulfinyl}-methyl)-2-methoxyphenyl]carbamoyl}propanoate; ethyl-2-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]carbamoyl}acetate; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2,2,3,3,3-pentafluoropropanamide; methyl-2-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]-sulfinyl}methyl)-2-methoxyphenyl]carbamoyl}-2,2-difluoroacetate; 3-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]carbamoyl}-2,2,3,3-tetrafluoropropanoic acid; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-aminoacetamide; 2-{*N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}-methyl)-2-methoxyphenyl]carbamoyl}-2,2-difluoroacetic acid; *N*-[5-({[(1E)-2-(2,4,6-trimethoxyphenyl)vinyl]sulfinyl}methyl)-2-methoxyphenyl]-2-(dimethylamino)-2,2-difluoroacetamide, 4-((1E)-2-{[(4-fluorophenyl)methyl]sulfinyl}vinyl)benzoic acid; 4-((1E)-2-{[(4-iodophenyl)methyl]-sulfinyl}vinyl)benzoic acid; 4-((1E)-2-{[(4-chlorophenyl)methyl]sulfinyl}vinyl)benzoic acid; 1-[5-((1E)-2-{[(4-chlorophenyl)methyl]sulfinyl}vinyl)-2-fluoro-phenyl]-2-

(dimethylamino)ethan-1-one; (1E)-2-(2,4-difluorophenyl)-1-{[(4-bromophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3-amino-4-fluorophenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}-ethene; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(2,3,4,5,6-pentafluorophenyl)-ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(2,3,4,5,6-pentafluorophenyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(2,3,4,5,6-pentafluorophenyl)ethene; (1E)-2-(4-fluorophenyl)-1-{[(2,3,4,5,6-pentafluorophenyl)-methyl]sulfinyl}ethene; (1E)-2-(4-chlorophenyl)-1-{[(2,3,4,5,6-pentafluorophenyl)-methyl]sulfinyl}ethene; (1E)-2-(4-bromophenyl)-1-{[(2,3,4,5,6-pentafluorophenyl)-methyl]sulfinyl}ethene; (1E)-1-{[(3,4-dichlorophenyl)methyl]sulfinyl}-2-(2,3,4,5,6-pentafluorophenyl)ethene; (1E)-1-{[(4-iodophenyl)methyl]sulfinyl}-2-(2,3,4,5,6-pentafluorophenyl)ethene; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(2-hydroxy-3,5-dinitrophenyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(2-hydroxy-3,5-dinitrophenyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(2-hydroxy-3,5-dinitrophenyl)ethene; (1E)-1-{[(2,4-dichlorophenyl)methyl]sulfinyl}-2-(2-hydroxy-3,5-dinitrophenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(2,4,6-trimethoxyphenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(3-methyl-2,4-dimethoxyphenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(3,4,5-trimethoxyphenyl)ethene; (1E)-1-{[(2-nitro-4,5-dimethoxyphenyl)methyl]sulfinyl}-2-(3,4,5-trimethoxyphenyl)ethene; (1E)-1-{[(2-nitro-4,5-dimethoxyphenyl)-methyl]sulfinyl}-2-(2,4,6-trimethoxyphenyl)ethene; (1E)-1-{[(2-nitro-4,5-dimethoxyphenyl)methyl]sulfinyl}-2-(3-methyl-2,4-dimethoxyphenyl)ethene; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(2,3,4-trifluorophenyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(2,3,4-trifluorophenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(2,6-methoxy-4-hydroxyphenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(2,3,5,6-tetrafluorophenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(2,4,5-trimethoxyphenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(2,3,4-trimethoxyphenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(3-nitro-4-hydroxy-5-methoxyphenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(3,4-dimethoxy-6-nitrophenyl)ethene; (1E)-1-

{[(4-methoxyphenyl)methyl]sulfinyl}-2-(3,4-dimethoxy-5-iodophenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(2,6-dimethoxy-4-fluorophenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(2-hydroxy-4,6-dimethoxyphenyl)ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(2,4,6-trimethylphenyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(2,4,6-trimethoxyphenyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(2,6-dimethoxy-4-fluorophenyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(2-hydroxy-4,6-dimethoxyphenyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(2,4,6-trimethoxyphenyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(2,6-dimethoxy-4-fluorophenyl)ethene; (1E)-1-{[(2,4,6-trimethoxyphenyl)methyl]sulfinyl}-2-(2,4,6-trimethoxyphenyl)ethene; (1E)-1-{[(2,3,4-trimethoxyphenyl)methyl]sulfinyl}-2-(2,6-dimethoxyphenyl)ethene; (1E)-1-{[(3,4,5-trimethoxyphenyl)methyl]sulfinyl}-2-(2,4,6-trimethoxyphenyl)ethene; (1E)-1-{[(3,4,5-trimethoxyphenyl)methyl]sulfinyl}-2-(2,6-dimethoxyphenyl)ethene; (1E)-1-{[(3,4,5-trimethoxyphenyl)methyl]sulfinyl}-2-(4-fluorophenyl)ethene; (1E)-2-(4-fluorophenyl)-1-({[4-(trifluoromethyl)phenyl]methyl}-sulfinyl)ethene; (1E)-2-(4-chlorophenyl)-1-({[4-(trifluoromethyl)phenyl]methyl}-sulfinyl)ethene; (1E)-2-(4-bromophenyl)-1-({[4-(trifluoromethyl)phenyl]methyl}-sulfinyl)ethene; (1E)-1-{[(2,4-dichlorophenyl)methyl]sulfinyl}-2-(4-fluorophenyl)ethene; (1E)-1-{[(2,4-dichlorophenyl)-methyl]sulfinyl}-2-(4-chloro-phenyl)ethene; (1E)-1-{[(3,4-dichlorophenyl)-methyl]sulfinyl}-2-(4-fluoro-phenyl)ethene; (1E)-1-{[(3,4-dichlorophenyl)-methyl]sulfinyl}-2-(4-chloro-phenyl)ethene; (1E)-1-{[(3,4-dichlorophenyl)methyl]sulfinyl}-2-(4-bromo-phenyl)ethene; (1E)-2-(4-fluorophenyl)-1-{[(4-nitrophenyl)methyl]sulfinyl}-ethene; 4-({[(1E)-2-(4-fluorophenyl)vinyl]-sulfinyl}methyl)benzene-carbonitrile; 4-({[(1E)-2-(4-chlorophenyl)vinyl]sulfinyl}-methyl)benzene-carbonitrile; 4-({[(1E)-2-(4-bromophenyl)vinyl]sulfinyl}-methyl)benzene-carbonitrile; (1E)-2-(3,4-difluorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3-chloro-4-fluorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(2-chloro-4-fluorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(2,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-

sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)-methyl]sulfinyl}ethene; (1E)-2-(2,3-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(4-fluorophenyl)-1-{[(4-iodophenyl)methyl]-sulfinyl}ethene; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(4-iodophenyl)-ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(4-iodophenyl)-ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(4-iodophenyl)-ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(4-chlorophenyl)-ethene; (1E)-2-(4-bromophenyl)-1-{[(4-iodophenyl)methyl]sulfinyl}ethene; (1E)-1-{[(4-iodophenyl)methyl]sulfinyl}-2-(4-nitrophenyl)-ethene; (1E)-1-{[(4-iodophenyl)methyl]sulfinyl}-2-(2-nitrophenyl)-ethene; (1E)-2-(4-iodophenyl)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-ethene; (1E)-1-{[(2,4-dichlorophenyl)methyl]sulfinyl}-2-(4-iodophenyl)-ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chloro-phenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chloro-phenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chloro-phenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)-methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}-ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3,4-dichlorophenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}ethene; (1E)-2-(2-

nitrophenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}-ethene; (1E)-2-(3-nitrophenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}-ethene; (1E)-2-(4-nitrophenyl)-1-{[(4-fluorophenyl)-methyl]sulfinyl}-ethene; (1E)-2-(2-trifluoromethylphenyl)-1-{[(4-fluorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3-trifluoromethylphenyl)-1-{[(4-fluorophenyl)methyl]-sulfinyl}-ethene; (1E)-2-(4-trifluoromethylphenyl)-1-{[(4-fluorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(2-trifluoromethyl-4-fluorophenyl)-1-{[(4-fluorophenyl)-methyl]sulfinyl}ethene; (1E)-2-(2-nitrophenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}-ethene; (1E)-2-(3-nitrophenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}-ethene; (1E)-2-(4-nitrophenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}-ethene; (1E)-2-(2-trifluoromethylphenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(3-trifluoromethylphenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(4-trifluoromethylphenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}ethene; (1E)-2-(2-trifluoromethyl-4-fluorophenyl)-1-{[(4-chlorophenyl)-methyl]sulfinyl}ethene; (1E)-2-(3-methyl-4-fluorophenyl)-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(2-nitrophenyl)-1-{[(2,4-dichlorophenyl)methyl]sulfinyl}-ethene; (1E)-2-(2-trifluoromethyl-4-fluorophenyl)-1-{[(2,4-dichloro-phenyl)methyl]sulfinyl}ethene; (1E)-2-(2-nitrophenyl)-1-{[(4-bromophenyl)methyl]sulfinyl}ethene; (1E)-2-(3-nitrophenyl)-1-{[(4-bromophenyl)methyl]sulfinyl}ethene; (1E)-2-(4-nitrophenyl)-1-{[(4-bromophenyl)methyl]sulfinyl}ethene; (1E)-2-(2-trifluoromethylphenyl)-1-{[(4-bromophenyl)methyl]sulfinyl}ethene; (1E)-2-(3-trifluoromethylphenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}ethene; (1E)-2-(4-trifluoromethylphenyl)-1-{[(4-bromophenyl)methyl]sulfinyl}ethene; (1E)-2-(2-nitrophenyl)-1-{[(4-cyanophenyl)methyl]sulfinyl}ethene; (1E)-2-(3-nitrophenyl)-1-{[(4-cyanophenyl)-methyl]sulfinyl}ethene; (1E)-2-(4-nitrophenyl)-1-{[(4-cyanophenyl)-methyl]sulfinyl}ethene; (1E)-2-(4-fluorophenyl)-1-{[(4-methylphenyl)methyl]sulfinyl}-ethene; (1E)-2-(4-bromophenyl)-1-{[(4-methylphenyl)methyl]sulfinyl}ethene; (1E)-2-(2-nitrophenyl)-1-{[(4-methylphenyl)methyl]sulfinyl}ethene; (1E)-2-(3-nitrophenyl)-1-{[(4-methylphenyl)methyl]sulfinyl}ethene; (1E)-2-(4-nitrophenyl)-1-{[(4-methylphenyl)methyl]sulfinyl}ethene; (1E)-2-(4-fluorophenyl)-1-{[(4-

methoxyphenyl)methyl]sulfinyl}ethene; (1E)-2-(4-chlorophenyl)-1-{[(4-methoxyphenyl)methyl]-sulfinyl}ethene; (1E)-2-(4-bromophenyl)-1-{[(4-methoxyphenyl)methyl]-sulfinyl}ethene; (1E)-2-(2-nitrophenyl)-1-{[(4-methoxyphenyl)methyl]sulfinyl}ethene; (1E)-2-(3-nitrophenyl)-1-{[(4-methoxyphenyl)methyl]sulfinyl}ethene; (1E)-2-(4-nitrophenyl)-1-{[(4-methoxyphenyl)methyl]sulfinyl}ethene; (1E)-2-(4-chlorophenyl)-1-{[(4-nitrophenyl)methyl]-sulfinyl}ethene; (1E)-2-(4-fluorophenyl)-1-{[(4-nitrophenyl)methyl]sulfinyl}ethene; and salts thereof.

15. (currently amended) A compound according to claim 10 wherein:

R^a is selected from the group consisting of chlorine, fluorine and bromine, and said R^a is bonded to the para position of the ring to which it is attached;

x is 0 or 1;

R^b is selected from the group consisting of chlorine, fluorine, bromine, methyl and methoxy, and said R^b is bonded to the ortho or para position of the ring to which it is bonded; and

y is [[0,]] 1, 2 or 3.

16. (currently amended) A compound according to claim 15 wherein the configuration ~~conformation~~ of the substituents on the carbon-carbon double bond is *E*-.

17. (currently amended) A compound according to claim 16 selected from the group consisting of: (1E)-2-(2-chlorophenyl)-1-[benzylsulfinyl]ethene; (1E)-2-(4-chlorophenyl)-1-[benzylsulfinyl]ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(4-fluorophenyl)ethene; (1E)-2-(4-chlorophenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}-ethene; (1E)-2-(4-fluorophenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}ethene; (1E)-2-(2,4-difluorophenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(4-fluorophenyl)ethene; (1E)-2-(4-bromophenyl)-1-{[(4-bromophenyl)methyl]sulfinyl}ethene; (1E)-2-(4-bromophenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}ethene; and (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(4-chlorophenyl)ethene~~; and salts thereof~~.

18. (currently amended) A compound according to claim 10, or a salt thereof, wherein:

each ~~of~~ R^a and each R^b ~~are~~ is independently selected from the group consisting of $(C_1$-$C_6)$alkyl, $(C_1$-$C_6)$alkoxy, halogen and nitro, and is ~~are~~ bonded to the ortho or para position of the ring to which it is ~~they are~~ attached; ~~and~~

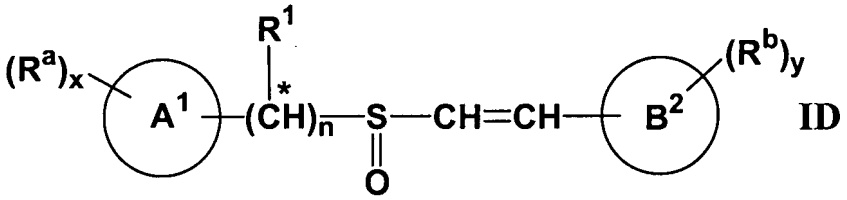
x is ~~and y are independently~~ 0, 1, 2 or 3; and

y is 1, 2 or 3.

19. (currently amended) A compound according to claim 18, or a salt thereof, wherein the configuration ~~conformation~~ of the substituents on the carbon-carbon double bond is Z-.

20. (currently amended) A compound according to claim 19 selected from the group consisting of: ~~(1Z) 2 phenyl 1 [benzylsulfinyl]ethene; (1Z) 1 {[(4 chlorophenyl)methyl] sulfinyl} 2 phenylethene; (1Z) 1 {[(2 chlorophenyl)methyl]sulfinyl} 2 phenylethene; (1Z) 1 {[(4 fluorophenyl)methyl]sulfinyl} 2 phenylethene;~~ (1Z)-2-(4-chlorophenyl)-1-[benzylsulfinyl]ethene; (1Z)-2-(4-chlorophenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}-ethene; (1Z)-2-(4-chlorophenyl)-1-{[(2-chlorophenyl)methyl]sulfinyl}-ethene; (1Z)-2-(4-chlorophenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}ethene; (1Z)-2-(4-fluorophenyl)-1-[benzylsulfinyl]ethene; (1Z)-2-(4-fluorophenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}ethene; (1Z)-2-(4-fluorophenyl)-1-{[(2-chlorophenyl)methyl]sulfinyl}ethene; (1Z)-2-(4-fluorophenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}ethene; (1Z)-2-(4-bromophenyl)-1-[benzylsulfinyl]ethene; (1Z)-2-(4-bromophenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}ethene; (1Z)-2-(4-bromophenyl)-1-{[(2-chlorophenyl)methyl]sulfinyl}ethene; (1Z)-2-(4-bromophenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}ethene; (1Z)-2-(4-methylphenyl)-1-[benzylsulfinyl]ethene; (1Z)-2-(4-methylphenyl)-1-{[(4-chlorophenyl)methyl]sulfinyl}ethene; (1Z)-2-(4-methylphenyl)-1-{[(2-chlorophenyl)methyl]-sulfinyl}ethene; (1Z)-2-(4-methylphenyl)-1-{[(4-fluorophenyl)methyl]sulfinyl}ethene; and (1Z)-2-(4-fluorophenyl)-1-{[(4-iodophenyl)methyl]sulfinyl}ethene~~; and salts thereof~~.

21. (currently amended) A compound according to claim 5, of Formula ID:



ID

wherein B^2 is selected from the group consisting of heteroaryl and aryl other than phenyl

or a salt thereof.

22. (currently amended) A compound according to claim 21, or a salt thereof, wherein B^2 is heteroaryl.

23. (currently amended) A compound according to claim 21, or a salt thereof, wherein B^2 is selected from the group consisting of furyl, thienyl, pyrrolyl, thiazolyl, pyridyl, thienyl-1-dioxide, anthryl, and naphthyl.

24. (currently amended) A compound according to claim 23, or a salt thereof, wherein the configuration ~~conformation~~ of the substituents on the carbon-carbon double bond is *E*-.

25. (currently amended) A compound according to claim 24, or a salt thereof, wherein R^a is independently selected from the group consisting of halogen, $(C_1\text{-}C_3)$alkoxy, -CN, $-NO_2$, and $-CF_3$.

26. (original) A compound of claim 25 selected from the group consisting of: (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(2-pyridyl)ethene; (1E)-1-{[(4-fluorophenyl)methyl]-sulfinyl}-2-(3-pyridyl)ethene; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(4-pyridyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(2-pyridyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(3-pyridyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(4-pyridyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(2-pyridyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]-sulfinyl}-2-(3-pyridyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(4-pyridyl)ethene; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(2-thienyl)ethene; (1E)-1-

{[(4-chlorophenyl)methyl]sulfinyl}-2-(2-thienyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(2-thienyl)ethene; (1E)-2-(4-bromo(2-thienyl))-1-{[(4-fluorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(5-bromo(2-thienyl))-1-{[(4-fluorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(5-bromo(2-thienyl))-1-{[(4-chlorophenyl)methyl]-sulfinyl}ethene; (1E)-2-(5-bromo(2-thienyl))-1-{[(4-bromophenyl)methyl]-sulfinyl}ethene; 2-((1E)-2-{[(4-fluorophenyl)methyl]sulfinyl}vinyl)thiole-1,1-dione; 2-((1E)-2-{[(4-chlorophenyl)-methyl]sulfinyl}vinyl)thiole-1,1-dione; 2-((1E)-2-{[(4-bromophenyl)methyl]-sulfinyl}vinyl)thiole-1,1-dione; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(3-thienyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(3-thienyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(3-thienyl)ethene; (1E)-1-{[(4-iodophenyl)methyl]sulfinyl}-2-(3-thienyl)ethene; (1E)-1-{[(4-methylphenyl)methyl]sulfinyl}-2-(3-thienyl)ethene; (1E)-1-{[(4-methoxyphenyl)-methyl]sulfinyl}-2-(3-thienyl)ethene; (1E)-1-{[(4-trifluoromethylphenyl)methyl]-sulfinyl}-2-(3-thienyl)-ethene; (1E)-1-{[(2,4-dichlorophenyl)methyl]sulfinyl}-2-(3-thienyl)-ethene; (1E)-1-{[(3,4-dichlorophenyl)methyl]sulfinyl}-2-(3-thienyl)-ethene; (1E)-1-{[(4-cyanophenyl)methyl]sulfinyl}-2-(3-thienyl)ethene; (1E)-1-{[(4-nitrophenyl)methyl]sulfinyl}-2-(3-thienyl)ethene; 3-((1E)-2-{[(4-fluorophenyl)methyl]sulfinyl}vinyl)thiole-1,1-dione; 3-((1E)-2-{[(4-chlorophenyl)methyl]sulfinyl}vinyl)thiole-1,1-dione; 3-((1E)-2-{[(4-bromophenyl)-methyl]sulfinyl}vinyl)thiole-1,1-dione; 3-((1E)-2-{[(4-methoxyphenyl)-methyl]sulfinyl}vinyl)thiole-1,1-dione; 3-((1E)-2-{[(2,4-dichlorophenyl)methyl]-sulfinyl}vinyl)thiole-1,1-dione; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(2-furyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(2-furyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(2-furyl)ethene; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(4-chlorophenyl)-methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(4-iodophenyl)methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(4-methylphenyl)methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(4-

methoxyphenyl)methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(4-trifluoromethylphenyl)methyl]sulfinyl}-2-(3-furyl)-ethene; (1E)-1-{[(2,4-dichlorophenyl)methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(3,4-dichlorophenyl)-methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(4-cyanophenyl)methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(4-nitrophenyl)methyl]sulfinyl}-2-(3-furyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(1,3-thiazol-2-yl)-ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-pyrrol-2-ylethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-pyrrol-2-ylethene; (1E)-1-{[(4-chlorophenyl)-methyl]sulfinyl}-2-(5-nitro(3-thienyl))ethene; (1E)-1-{[(4-iodophenyl)methyl]sulfinyl}-2-(5-nitro(3-thienyl))ethene; (1E)-1-{[(2,4-dichlorophenyl)methyl]sulfinyl}-2-(5-nitro(3-thienyl))ethene; (1E)-1-{[(4-methoxyphenyl)methyl]sulfinyl}-2-(5-nitro(3-thienyl))ethene; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-naphthylethene; (1E)-1-{[(4-fluorophenyl)methyl]sulfinyl}-2-(2-naphthyl)ethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-naphthylethene; (1E)-1-{[(4-chlorophenyl)methyl]sulfinyl}-2-(2-naphthyl)ethene; (1E)-1-{[(4-bromophenyl)methyl]sulfinyl}-2-naphthylethene; (1E)-1-{[(4-bromophenyl)methyl]-sulfinyl}-2-(2-naphthyl)ethene; (1E)-2-(9-anthryl)-1-{[(4-fluorophenyl)-methyl]sulfinyl}ethene; (1E)-2-(9-anthryl)-1-{[(4-chlorophenyl)methyl]sulfinyl}ethene; (1E)-2-(9-anthryl)-1-{[(4-bromophenyl)methyl]sulfinyl}ethene; and salts thereof.

27. (currently amended) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound according to claim 1 or a pharmaceutically acceptable salt thereof.

28. (withdrawn) A conjugate of the Formula, I–L–Ab;
wherein:

I is a compound according to claim 1;

Ab is an antibody; and

–L– is a single covalent bond or a linking group covalently linking said compound to said antibody.

29. (withdrawn) A conjugate according to claim 28 wherein said antibody Ab is a monoclonal antibody or a monospecific polyclonal antibody.

30. (withdrawn) A conjugate according to claim 29 wherein said antibody Ab is a tumor-specific antibody.

31. (withdrawn) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and at least one conjugate according to claim 28.

32. (currently amended) A method of treating an individual for a proliferative disorder comprising administering to said individual an effective amount of a compound according to claim 1, or a pharmaceutically acceptable salt thereof.

33. (currently amended) A method according to claim 32 wherein the proliferative disorder is selected from the group consisting of hemangiomatosis in newborn; secondary progressive multiple sclerosis; chronic progressive myelodegenerative disease; neurofibromatosis; ganglioneuromatosis; keloid formation; Paget's [[D]]disease of the bone; fibrocystic disease, sarcoidosis; Peyronie's fibrosis, ~~and~~ Duyputren's fibrosis, cirrhosis, atherosclerosis and vascular restenosis.

34. (original) A method according to claim 32 wherein the proliferative disorder is cancer.

35. (original) A method according to claim 34 wherein the cancer is selected from the group consisting of ovarian, breast, prostate, testicular, lung, renal, colorectal skin, and brain cancers, or the cancer is a leukemia.

36. (original) The method of claim 35, further comprising administering an effective amount of therapeutic ionizing radiation to the individual.

37. (currently amended) A method of inducing apoptosis of tumor cells in an individual afflicted with cancer comprising administering to said individual an effective amount of a compound according to claim 1, or a pharmaceutically acceptable salt thereof.

38. (original) A method according to claim 37 wherein the tumor cells are selected from the group consisting of ovarian, breast, prostate, lung, colorectal, renal and brain tumors.

39. (withdrawn) A method of treating an individual afflicted with cancer, comprising administering to said individual an effective amount of at least one conjugate according to claim 28.

40. (withdrawn, currently amended) A method of reducing or eliminating the effects of ionizing radiation on normal cells in an individual who has incurred or is at risk of incurring exposure to ionizing radiation, comprising administering an effective amount of at least one radioprotective compound according to claim 1, or a pharmaceutically acceptable salt thereof, to the individual prior to or after exposure to ionizing radiation.

41. (withdrawn) The method of claim 40 wherein the radioprotective compound is administered before the individual is exposed to the ionizing radiation.

42. (withdrawn) The method of claim 41, wherein the radioprotective compound is administered at least about four hours before the individual is exposed to the ionizing radiation.

43. (withdrawn) The method of claim 42, wherein the radioprotective compound is administered no more than about twenty-four hours before the individual is exposed to the ionizing radiation.

44. (withdrawn) The method of claim 43, wherein the radioprotective compound is administered about eighteen and about six hours before the individual is exposed to the ionizing radiation.

45. (withdrawn) The method of claim 40, wherein the radioprotective compound is administered after the individual is exposed to the ionizing radiation.

46. (withdrawn) The method of claim 45, wherein the radioprotective compound is administered between zero and six hours after the individual is exposed to the ionizing radiation.

47. (withdrawn, currently amended) A method of treating an individual for a proliferative disorder, comprising:

(a) administering to the individual an effective amount of at least one radioprotective compound according to claim 1, or a pharmaceutically acceptable salt thereof; and

(b) administering an effective amount of therapeutic ionizing radiation.

48. (withdrawn) The method of claim 47, wherein the proliferative disorder is cancer.

49. (withdrawn, currently amended) A method of reducing the number of malignant cells in bone marrow of an individual, comprising:

(a) removing a portion of the individual's bone marrow;

(b) administering an effective amount of at least one radioprotective compound according to claim 1, or a pharmaceutically acceptable salt thereof, to the bone marrow;

(c) irradiating the bone marrow with an effective amount of ionizing radiation.

50. (withdrawn) The method of claim 49, further comprising reimplanting the bone marrow into the individual.

51. (withdrawn, currently amended) The method of claim 49, wherein the individual receives therapeutic ionizing radiation prior to reimplantation of the bone marrow, and is administered at least one radioprotective compound of claim 1, or pharmaceutically acceptable salt thereof, prior to receiving the therapeutic ionizing radiation.

52. (withdrawn, currently amended) The method of claim 49 wherein the radioprotective compound, or pharmaceutically acceptable salt thereof, is administered at least about 6 hours before exposure of the bone marrow to the ionizing radiation.

53. (withdrawn, currently amended) The method of to claim 49 wherein the radioprotective compound, or pharmaceutically acceptable salt thereof, is administered about 20 hours before exposure to the ionizing radiation.

54. (withdrawn, currently amended) The method of claim 49 wherein the radioprotective compound, or pharmaceutically acceptable salt thereof, is administered about 24 hours before exposure to the ionizing radiation.

55. (withdrawn, currently amended) A method for protecting an individual from cytotoxic side effects of the administration of a mitotic phase cell cycle inhibitor or a topoisomerase inhibitor comprising administering to the individual, in advance of administration of said inhibitor, an effective amount of at least one cytoprotective compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein the mitotic phase cell cycle inhibitor or topoisomerase inhibitor is not a compound according to claim 1 or a pharmaceutically acceptable salt thereof.

56. (withdrawn) The method according to claim 55 wherein the mitotic phase cell cycle inhibitor is selected from the group consisting of vinca alkaloids, taxanes, naturally occurring macrolides, and colchicine and its derivatives.

57. (withdrawn) The method according to claim 56 wherein the mitotic phase cell cycle inhibitor is selected from the group consisting of paclitaxel and vincristine.

58. (withdrawn) The method according to claim 55 wherein the topoisomerase inhibitor is selected from the group consisting of camptothecin, etoposide and mitoxantrone.

59. (withdrawn, currently amended) The method according to claim 55 wherein the cytoprotective compound, or pharmaceutically acceptable salt thereof, is administered at

least about 1 hour[[s]] before administration of the mitotic phase cell cycle inhibitor or topoisomerase inhibitor.

60. (withdrawn, currently amended) The method according to claim 59 wherein the cytoprotective compound, or pharmaceutically acceptable salt thereof, is administered at least about 12 hours before administration of the mitotic phase cell cycle inhibitor or topoisomerase inhibitor.

61. (withdrawn, currently amended) The method according to claim 60 wherein the cytoprotective compound, or pharmaceutically acceptable salt thereof, is administered at least about 24 hours before administration of the mitotic phase cell cycle inhibitor or topoisomerase inhibitor.

62. (withdrawn, currently amended) A method for treating cancer or other proliferative disorder comprising administering to an individual an effective amount at least one cytoprotective compound according to claim 1, or a pharmaceutically acceptable salt thereof, followed by an effective amount of at least one mitotic phase cell cycle inhibitor or topoisomerase inhibitor after administration of the cytoprotective compound according to claim 1, or pharmaceutically acceptable salt thereof.

63. (withdrawn) The method according to claim 62 wherein the mitotic phase cell cycle inhibitor is selected from the group consisting of vinca alkaloids, taxanes, naturally occurring macrolides, and colchicine and its derivatives.

64. (withdrawn) The method according to claim 63 wherein the mitotic phase cell cycle inhibitor is selected from the group consisting of paclitaxel and vincristine.

65. (withdrawn) The method according to claim 62 wherein the topoisomerase inhibitor is selected from the group consisting of camptothecin, etoposide and mitoxantrone.

66. (withdrawn, currently amended) The method according to claim 62 wherein the cytoprotective compound, or pharmaceutically acceptable salt thereof, is administered at

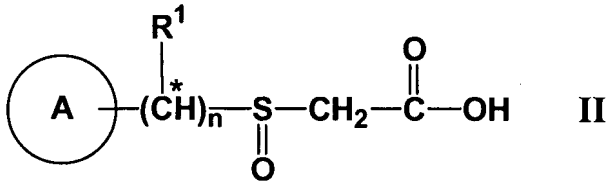
least about 1 hour before administration of the mitotic phase cell cycle inhibitor or topoisomerase inhibitor.

67. (withdrawn, currently amended) The method according to claim 66 wherein the cytoprotective compound, or pharmaceutically acceptable salt thereof, is administered at least about 12 hours before administration of the mitotic phase cell cycle inhibitor or topoisomerase inhibitor.

68. (withdrawn, currently amended) The method according to claim 67 wherein the cytoprotective compound, or pharmaceutically acceptable salt thereof, is administered at least about 24 hours before administration of the mitotic phase cell cycle inhibitor or topoisomerase inhibitor.

69. (currently amended) A process for preparing a compound according to claim 3 comprising:

(a) reacting a compound of Formula II:



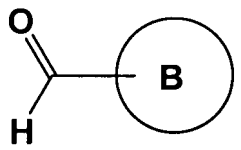
II

wherein A is substituted or unsubstituted aryl, or substituted or unsubstituted heteroaryl;

n is 0 or 1; and

R^1 is –H, -(C_1-C_8)hydrocarbyl, -CN, -CO_2(C_1-C_6)alkyl or halo(C_1-C_6)alkyl;

with a compound of Formula III:



III

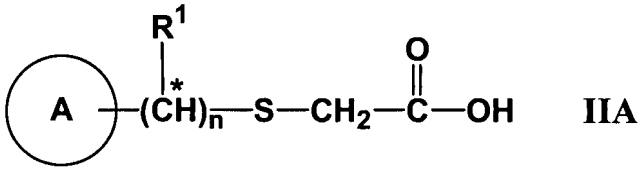
;

wherein B is substituted ~~or unsubstituted~~ aryl or substituted or unsubstituted heteroaryl; and

(b) isolating a compound according to claim 3 from the reaction products.

70. (withdrawn) A process according to claim 69 wherein the compound of Formula II is prepared by;

(a) reacting a compound of Formula IIA:



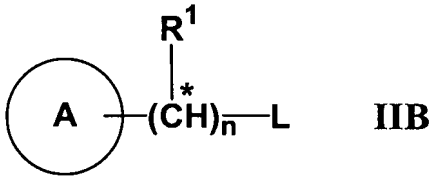
IIA

with an oxidizing agent capable of oxidizing a sulfide to a sulfoxide; and

(b) isolating a compound of Formula II from the reaction products.

71. (withdrawn) A process according to claim 70 wherein the compound of Formula IIA is prepared by:

(a) reacting a compound of Formula IIB:



IIB

wherein:

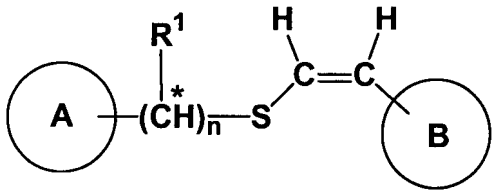
L is a leaving group;

with mercaptoacetic acid; and

(b) isolating a compound of Formula IIA from the reaction products.

72. (withdrawn, currently amended) A process for preparing a compound according to claim 2 comprising:

(a) reacting a compound of Formula IV:



IV

wherein:

A is substituted or unsubstituted aryl, or substituted or unsubstituted heteroaryl;

B is substituted ~~or unsubstituted~~ aryl or substituted or unsubstituted heteroaryl;

n is 0 or 1; and

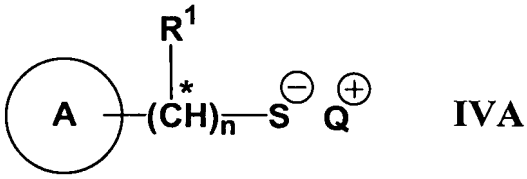
R^1 is –H, -(C_1-C_8)hydrocarbyl, -CN, -CO_2(C_1-C_6)alkyl or halo(C_1-C_6)alkyl;

with an oxidizing agent capable of oxidizing a sulfide to a sulfoxide; and

(b) isolating a compound according to claim 2 from the reaction products.

73. (withdrawn) process according to claim 72 wherein the compound of Formula IV is prepared by:

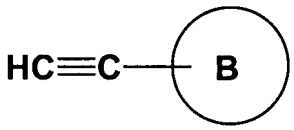
(a) reacting a compound of Formula IVA:



IVA

wherein Q^+ is a counterion selected from the group consisting of alkali metals, alkaline earth metals and transition metals;

with a compound of Formula IVB:

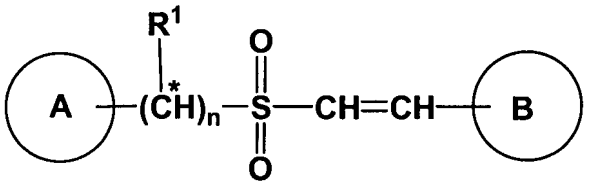


IVB

; and

(b) isolating a compound of Formula IV from the reaction products.

74. (withdrawn, currently amended) A process for preparing a compound according to Formula V:



V

wherein:

A is substituted or unsubstituted aryl, or substituted or unsubstituted heteroaryl;

B is substituted ~~or unsubstituted~~ aryl or substituted or unsubstituted heteroaryl~~, provided that when A and B are both phenyl, at least one of A or B is substituted~~;

n is 0 or 1;

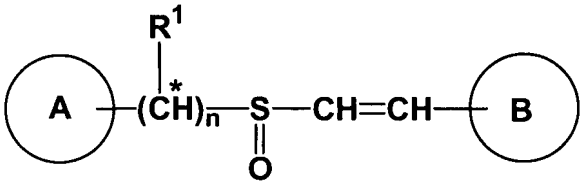
R^1 is –H, -(C_1-C_8)hydrocarbyl, -CN, -CO_2(C_1-C_6)alkyl or halo(C_1-C_6)alkyl;

the configuration ~~conformation~~ of the substituents on the carbon-carbon double bond is either *E*- or *Z*-; and

* indicates that, when R^1 is other than –H, the configuration ~~conformation~~ of the substituents on the designated carbon atom is R-, S- or any mixture of R- and S-; or a salt of such a compound;

comprising the steps of:

(a) reacting a compound according to Formula I:



I

wherein A, B, n, R^1 and * are so defined;

A is substituted or unsubstituted aryl, or substituted or unsubstituted heteroaryl;

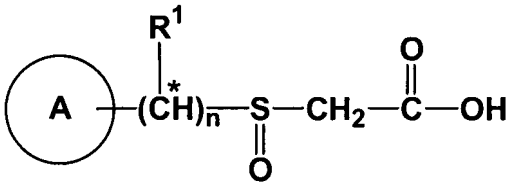
the configuration ~~conformation~~ of the substituents on the carbon-carbon double bond is either *E*- or *Z*-; and

the configuration ~~conformation~~ of the substituents on the sulfoxide sulfur atom is R-, S- or any mixture of R- and S-; or a salt thereof;

with an oxidizing agent capable of oxidizing a sulfoxide to a sulfone; and

(b) isolating a compound according to Formula V from the reaction products.

75. (withdrawn, currently amended) A compound according to Formula II:



II

wherein:

A is substituted or unsubstituted aryl other than unsubstituted phenyl, or substituted or unsubstituted heteroaryl;

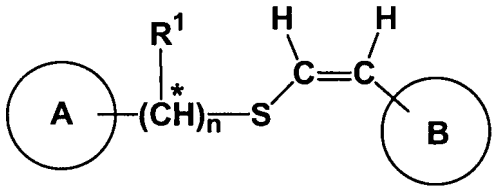
n is 0 or 1; and

R^1 is –H, -(C_1-C_8)hydrocarbyl, -CN, -CO_2(C_1-C_6)alkyl or halo(C_1-C_6)alkyl;

the configuration ~~conformation~~ of the substituents on the sulfoxide sulfur atom is R-, S- or any mixture of R- and S-; and

* indicates that, when R^1 is other than –H, the configuration ~~conformation~~ of the substituents on the designated carbon atom is R-, S- or any mixture of R- and S-; or a salt of such a compound.

76. (withdrawn, currently amended) A compound according to Formula IV:



IV

wherein:

A is ~~and B are~~ substituted or unsubstituted aryl other than unsubstituted phenyl, or substituted or unsubstituted heteroaryl;

B is substituted aryl or substituted or unsubstituted heteroaryl;

n is 0 or 1; and

R^1 is –H, -(C_1-C_8)hydrocarbyl, -CN, -CO_2(C_1-C_6)alkyl or halo(C_1-C_6)alkyl;

the configuration ~~conformation~~ of the substituents on the sulfoxide sulfur atom is R-, S- or any mixture of R- and S-; and

* indicates that, when R^1 is other than –H, the configuration ~~conformation~~ of the substituents on the designated carbon atom is R-, S- or any mixture of R- and S-; or a salt of such a compound.

77. (currently amended) An isolated optical isomer of a compound according to claim 1, or a salt thereof.